

|  |                         |   |
|--|-------------------------|---|
| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br>(Only for new nonprovisional applications under 37 CFR 1.53(b)) | Attorney Docket No.:    | SC12810TK   |
|  | First Inventor:         | Bennett A. Joiner   |
|  | Title:                  | ELECTROMAGNETIC NOISE SHIELDING IN SEMICONDUCTOR PACKAGES USING CAGED INTERCONNECT STRUCTURES |
|  | Express Mail Label No.: | EV 322114113 US   |

|  |   |
|--|---|
| <b>APPLICATION ELEMENTS</b><br>(see MPEP chapter 600 concerning utility patent application contents) | ADDRESS TO: Mail Stop Patent Application<br>Commissioner for Patents<br>P. O. Box 1450<br>Alexandria, VA 22313-1450 |
|--|---|

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status  
See 37 CFR 1.27
3. ☒ Specification [Total Pages 16 ]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or computer program listing appendix
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 2 ]
5. Oath or Declaration [Total Sheets 3 ]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
    - i. **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. ☐ Nucleotide and/or Amino Acid Sequence (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CFR)
  - b. ☐ Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-4 (2 copies); or
    - ii. ☐ Paper
  - c. ☐ Statements verifying identity of above copies

#### ACCOMPANYING APPLICATION PARTS

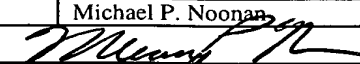
9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure ☐ Copies of IDS  
Statement (IDS)/PT-1449 Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document
16. ☐ Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: \_\_\_\_\_

18. IF A CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation    ☐ Divisional    ☐ Continuation-in- Part (CIP)    of prior application No. \_\_\_\_\_  
 Prior application information:    Examiner: \_\_\_\_\_    Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

#### 19. CORRESPONDENCE ADDRESS

|   |   |                  |   |
|---|---|------------------|---|
| <input checked="" type="checkbox"/> Customer Number | <u>23125</u>  | or               | <input type="checkbox"/> Correspondence address below |
| Name  |   |                  |   |
| Address   |   |                  |   |
| City  | State   | Zip Code         |   |
| Country   | Telephone   | Fax              |   |
| Name  | Michael P. Noonan   | Registration No. | 42,038  |
| SIGNATURE   |  |                  |   |
| Date  | October 27, 2003  |                  |   |

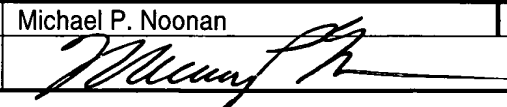
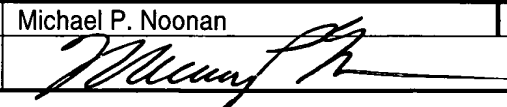
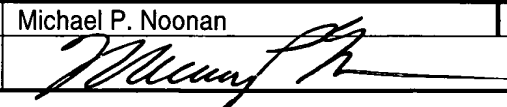
SC12810TK

|  |  |                          |  |                       |  |
|--|--|--------------------------|--|-----------------------|--|
| <b>FEE TRANSMITTAL</b><br>Patent fees are subject to annual revision<br><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 |  | <b>Complete if Known</b> |  |                       |  |
|  |  | Application Number       |  |                       |  |
|  |  | Filing Date              |  | Concurrently Herewith |  |
|  |  | First Named Inventor     |  | Bennett A. Joiner     |  |
|  |  | Examiner Name            |  |                       |  |
| Group Art Unit   |  |                          |  |                       |  |
| TOTAL AMOUNT OF PAYMENT  |  | (\$)                     |  | 828.00                |  |
| Attorney Docket No.  |  | SC12810TK                |  |                       |  |

| <b>METHOD OF PAYMENT (check all that apply)</b><br><input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None<br><input checked="" type="checkbox"/> Deposit Account:<br>Deposit Account Number <b>502117</b><br>Deposit Account Name <b>Motorola, Inc.</b><br><b>The Director is authorized to: (check all that apply)</b><br><input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments<br><input type="checkbox"/> Charge any additional fee(s) during the pendency of this application<br><input type="checkbox"/> Charge fees(s) indicated below, <b>except for the filing fee</b> to the above-identified deposit account. | <b>FEE CALCULATION (continued)</b><br><b>3. ADDITIONAL FEES</b><br><table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2"></th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge – late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge – late Provisional filing</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2520</td><td>1812</td><td>2520</td><td>For filing a request for ex parte Reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1840*</td><td>1805</td><td>1840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>420</td><td>2252</td><td>210</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>950</td><td>2253</td><td>475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1480</td><td>2254</td><td>740</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>2010</td><td>2255</td><td>1005</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>330</td><td>2401</td><td>165</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>330</td><td>2402</td><td>165</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>290</td><td>2403</td><td>145</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1510</td><td>1451</td><td>1510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive – unavoidable</td><td></td></tr> <tr><td>1453</td><td>1330</td><td>2453</td><td>665</td><td>Petition to revive – unintentional</td><td></td></tr> <tr><td>1501</td><td>1330</td><td>2501</td><td>665</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>480</td><td>2502</td><td>240</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>640</td><td>2503</td><td>320</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of IDS</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td style="text-align: center;">40</td></tr> <tr><td>1809</td><td>770</td><td>2809</td><td>385</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>770</td><td>2810</td><td>385</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>770</td><td>2801</td><td>385</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="5">Other fee (specify) _____</td><td></td></tr> <tr><td colspan="5"> </td><td></td></tr> <tr><td colspan="5"> </td><td></td></tr> <tr><td colspan="5"> </td><td></td></tr> <tr> <td colspan="4" style="text-align: right;"><b>SUBTOTAL (3)</b></td> <td colspan="2" style="text-align: center;">(\$)</td> <td style="text-align: center;">40.00</td> </tr> </tbody> </table> <p>* Reduced by Basic Filing Fee Paid</p> | Large Entity |          | Small Entity   |    | Fee Description |  | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1051 | 130 | 2051 | 65 | Surcharge – late filing fee or oath |  | 1052 | 50 | 2052 | 25 | Surcharge – late Provisional filing |  | 1053 | 130 | 1053 | 130 | Non-English specification |  | 1812 | 2520 | 1812 | 2520 | For filing a request for ex parte Reexamination |  | 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action |  | 1805 | 1840* | 1805 | 1840* | Requesting publication of SIR after Examiner action |  | 1251 | 110 | 2251 | 55 | Extension for reply within first month |  | 1252 | 420 | 2252 | 210 | Extension for reply within second month |  | 1253 | 950 | 2253 | 475 | Extension for reply within third month |  | 1254 | 1480 | 2254 | 740 | Extension for reply within fourth month |  | 1255 | 2010 | 2255 | 1005 | Extension for reply within fifth month |  | 1401 | 330 | 2401 | 165 | Notice of Appeal |  | 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal |  | 1403 | 290 | 2403 | 145 | Request for oral hearing |  | 1451 | 1510 | 1451 | 1510 | Petition to institute a public use proceeding |  | 1452 | 110 | 2452 | 55 | Petition to revive – unavoidable |  | 1453 | 1330 | 2453 | 665 | Petition to revive – unintentional |  | 1501 | 1330 | 2501 | 665 | Utility issue fee (or reissue) |  | 1502 | 480 | 2502 | 240 | Design issue fee |  | 1503 | 640 | 2503 | 320 | Plant issue fee |  | 1460 | 130 | 1460 | 130 | Petitions to the Commissioner |  | 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) |  | 1806 | 180 | 1806 | 180 | Submission of IDS |  | 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | 40 | 1809 | 770 | 2809 | 385 | Filing a submission after final rejection (37 CFR § 1.129(a)) |  | 1810 | 770 | 2810 | 385 | For each additional invention to be examined (37 CFR § 1.129(b)) |  | 1801 | 770 | 2801 | 385 | Request for Continued Examination (RCE) |  | 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application |  | Other fee (specify) _____ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>SUBTOTAL (3)</b> |  |  |  | (\$) |  | 40.00 |
|--|--|--------------|----------|--|----|-----------------|--|----------|----------|----------|----------|------|-----|------|----|-------------------------------------|--|------|----|------|----|-------------------------------------|--|------|-----|------|-----|---------------------------|--|------|------|------|------|---|--|------|------|------|------|--|--|------|-------|------|-------|---|--|------|-----|------|----|--|--|------|-----|------|-----|---|--|------|-----|------|-----|--|--|------|------|------|-----|---|--|------|------|------|------|--|--|------|-----|------|-----|------------------|--|------|-----|------|-----|--|--|------|-----|------|-----|--------------------------|--|------|------|------|------|---|--|------|-----|------|----|----------------------------------|--|------|------|------|-----|------------------------------------|--|------|------|------|-----|--------------------------------|--|------|-----|------|-----|------------------|--|------|-----|------|-----|-----------------|--|------|-----|------|-----|-------------------------------|--|------|----|------|----|-------------------------------------|--|------|-----|------|-----|-------------------|--|------|----|------|----|--|----|------|-----|------|-----|---|--|------|-----|------|-----|--|--|------|-----|------|-----|---|--|------|-----|------|-----|---|--|---------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------------|--|--|--|------|--|-------|
| Large Entity   |  | Small Entity |          | Fee Description  |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| Fee Code   | Fee (\$)   | Fee Code     | Fee (\$) |  |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1051   | 130  | 2051         | 65       | Surcharge – late filing fee or oath  |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1052   | 50   | 2052         | 25       | Surcharge – late Provisional filing  |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1053   | 130  | 1053         | 130      | Non-English specification  |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1812   | 2520   | 1812         | 2520     | For filing a request for ex parte Reexamination                            |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1804   | 920*   | 1804         | 920*     | Requesting publication of SIR prior to Examiner action                     |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1805   | 1840*  | 1805         | 1840*    | Requesting publication of SIR after Examiner action                        |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1251   | 110  | 2251         | 55       | Extension for reply within first month                                     |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1252   | 420  | 2252         | 210      | Extension for reply within second month                                    |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1253   | 950  | 2253         | 475      | Extension for reply within third month                                     |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1254   | 1480   | 2254         | 740      | Extension for reply within fourth month                                    |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1255   | 2010   | 2255         | 1005     | Extension for reply within fifth month                                     |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1401   | 330  | 2401         | 165      | Notice of Appeal   |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1402   | 330  | 2402         | 165      | Filing a brief in support of an appeal                                     |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1403   | 290  | 2403         | 145      | Request for oral hearing   |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1451   | 1510   | 1451         | 1510     | Petition to institute a public use proceeding                              |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1452   | 110  | 2452         | 55       | Petition to revive – unavoidable   |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1453   | 1330   | 2453         | 665      | Petition to revive – unintentional   |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1501   | 1330   | 2501         | 665      | Utility issue fee (or reissue)   |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1502   | 480  | 2502         | 240      | Design issue fee   |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1503   | 640  | 2503         | 320      | Plant issue fee  |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1460   | 130  | 1460         | 130      | Petitions to the Commissioner  |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1807   | 50   | 1807         | 50       | Processing fee under 37 CFR 1.17(q)  |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1806   | 180  | 1806         | 180      | Submission of IDS  |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 8021   | 40   | 8021         | 40       | Recording each patent assignment per property (times number of properties) | 40 |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1809   | 770  | 2809         | 385      | Filing a submission after final rejection (37 CFR § 1.129(a))              |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1810   | 770  | 2810         | 385      | For each additional invention to be examined (37 CFR § 1.129(b))           |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1801   | 770  | 2801         | 385      | Request for Continued Examination (RCE)                                    |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| 1802   | 900  | 1802         | 900      | Request for expedited examination of a design application                  |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| Other fee (specify) _____  |  |              |          |  |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
|  |  |              |          |  |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
|  |  |              |          |  |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
|  |  |              |          |  |    |                 |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |
| <b>SUBTOTAL (3)</b>  |  |              |          | (\$)   |    | 40.00           |  |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |                                     |  |      |     |      |     |                           |  |      |      |      |      |   |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |                   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |  |  |  |      |  |       |

| <b>FEE CALCULATION</b><br><b>1. BASIC FILING FEE</b><br><table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1001</td><td>770</td><td>2001</td><td>385</td><td>Utility filing fee</td><td style="text-align: center;">770</td></tr> <tr><td>1002</td><td>340</td><td>2002</td><td>170</td><td>Design filing fee</td><td></td></tr> <tr><td>1003</td><td>530</td><td>2003</td><td>265</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004</td><td>780</td><td>2004</td><td>385</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (1)</b></td> <td style="text-align: center;">(\$)</td> <td style="text-align: center;">770.00</td> </tr> </tbody> </table> <b>2. EXTRA CLAIM FEES</b><br><table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Total Claims</th> <th>Previously Paid**</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>21</td> <td>20</td> <td>1</td> <td>18</td> <td style="text-align: center;">18</td> </tr> <tr> <td>Independent Claims</td> <td>3</td> <td>0</td> <td>86</td> <td style="text-align: center;">0</td> </tr> <tr> <td colspan="4">Multiple Dependent</td> <td style="text-align: center;">290 = 0</td> </tr> </tbody> </table> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td></tr> <tr><td>1201</td><td>84</td><td>2201</td><td>42</td><td>Independent claims in excess of 3</td></tr> <tr><td>1203</td><td>280</td><td>2203</td><td>140</td><td>Multiple dependent claim, if not paid</td></tr> <tr><td>1204</td><td>84</td><td>2204</td><td>42</td><td>* Reissue independent claims over original patent</td></tr> <tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>*Reissue claims in excess of 20 and over original patent</td></tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (2)</b></td> <td style="text-align: center;">(\$)</td> <td style="text-align: center;">18.00</td> </tr> </tbody> </table> <p>** or number previously paid, if greater; For Reissues, see above.</p> |   | Large Fee Code   | Entity Fee (\$) | Small Fee Code   | Entity Fee (\$) | Fee Description | Fee Paid | 1001 | 770 | 2001 | 385 | Utility filing fee | 770 | 1002 | 340 | 2002 | 170 | Design filing fee |  | 1003 | 530 | 2003 | 265 | Plant filing fee |  | 1004 | 780 | 2004 | 385 | Reissue filing fee |  | 1005 | 160 | 2005 | 80 | Provisional filing fee |  | <b>SUBTOTAL (1)</b> |  |  |  |  | (\$) | 770.00 | Total Claims | Previously Paid** | Extra Claims | Fee from below | Fee Paid | 21 | 20 | 1 | 18 | 18 | Independent Claims | 3 | 0 | 86 | 0 | Multiple Dependent |  |  |  | 290 = 0 | Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description | 1202 | 18 | 2202 | 9 | Claims in excess of 20 | 1201 | 84 | 2201 | 42 | Independent claims in excess of 3 | 1203 | 280 | 2203 | 140 | Multiple dependent claim, if not paid | 1204 | 84 | 2204 | 42 | * Reissue independent claims over original patent | 1205 | 18 | 2205 | 9 | *Reissue claims in excess of 20 and over original patent | <b>SUBTOTAL (2)</b> |  |  |  |  | (\$) | 18.00 | <b>SUBMITTED BY</b><br><table style="width:100%; border-collapse: collapse;"> <tr> <td>Name (Print/Type)</td> <td>Michael P. Noonan</td> <td>Registration No.</td> <td>42,038</td> <td>Telephone</td> <td>512.996.6839</td> </tr> <tr> <td>Signature</td> <td colspan="2" style="text-align: center;"></td> <td>Date</td> <td colspan="2">October 27, 2003</td> </tr> </table> | Name (Print/Type) | Michael P. Noonan | Registration No. | 42,038 | Telephone | 512.996.6839 | Signature |  |  | Date | October 27, 2003 |  |
|---|---|------------------|-----------------|--|-----------------|-----------------|----------|------|-----|------|-----|--------------------|-----|------|-----|------|-----|-------------------|--|------|-----|------|-----|------------------|--|------|-----|------|-----|--------------------|--|------|-----|------|----|------------------------|--|---------------------|--|--|--|--|------|--------|--------------|-------------------|--------------|----------------|----------|----|----|---|----|----|--------------------|---|---|----|---|--------------------|--|--|--|---------|----------------|-----------------|----------------|-----------------|-----------------|------|----|------|---|------------------------|------|----|------|----|-----------------------------------|------|-----|------|-----|---------------------------------------|------|----|------|----|---|------|----|------|---|--|---------------------|--|--|--|--|------|-------|---|-------------------|-------------------|------------------|--------|-----------|--------------|-----------|---|--|------|------------------|--|
| Large Fee Code  | Entity Fee (\$)   | Small Fee Code   | Entity Fee (\$) | Fee Description  | Fee Paid        |                 |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |      |        |              |                   |              |                |          |    |    |   |    |    |                    |   |   |    |   |                    |  |  |  |         |                |                 |                |                 |                 |      |    |      |   |                        |      |    |      |    |                                   |      |     |      |     |                                       |      |    |      |    |   |      |    |      |   |  |                     |  |  |  |  |      |       |   |                   |                   |                  |        |           |              |           |   |  |      |                  |  |
| 1001  | 770   | 2001             | 385             | Utility filing fee                                       | 770             |                 |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |      |        |              |                   |              |                |          |    |    |   |    |    |                    |   |   |    |   |                    |  |  |  |         |                |                 |                |                 |                 |      |    |      |   |                        |      |    |      |    |                                   |      |     |      |     |                                       |      |    |      |    |   |      |    |      |   |  |                     |  |  |  |  |      |       |   |                   |                   |                  |        |           |              |           |   |  |      |                  |  |
| 1002  | 340   | 2002             | 170             | Design filing fee  |                 |                 |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |      |        |              |                   |              |                |          |    |    |   |    |    |                    |   |   |    |   |                    |  |  |  |         |                |                 |                |                 |                 |      |    |      |   |                        |      |    |      |    |                                   |      |     |      |     |                                       |      |    |      |    |   |      |    |      |   |  |                     |  |  |  |  |      |       |   |                   |                   |                  |        |           |              |           |   |  |      |                  |  |
| 1003  | 530   | 2003             | 265             | Plant filing fee   |                 |                 |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |      |        |              |                   |              |                |          |    |    |   |    |    |                    |   |   |    |   |                    |  |  |  |         |                |                 |                |                 |                 |      |    |      |   |                        |      |    |      |    |                                   |      |     |      |     |                                       |      |    |      |    |   |      |    |      |   |  |                     |  |  |  |  |      |       |   |                   |                   |                  |        |           |              |           |   |  |      |                  |  |
| 1004  | 780   | 2004             | 385             | Reissue filing fee                                       |                 |                 |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |      |        |              |                   |              |                |          |    |    |   |    |    |                    |   |   |    |   |                    |  |  |  |         |                |                 |                |                 |                 |      |    |      |   |                        |      |    |      |    |                                   |      |     |      |     |                                       |      |    |      |    |   |      |    |      |   |  |                     |  |  |  |  |      |       |   |                   |                   |                  |        |           |              |           |   |  |      |                  |  |
| 1005  | 160   | 2005             | 80              | Provisional filing fee                                   |                 |                 |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |      |        |              |                   |              |                |          |    |    |   |    |    |                    |   |   |    |   |                    |  |  |  |         |                |                 |                |                 |                 |      |    |      |   |                        |      |    |      |    |                                   |      |     |      |     |                                       |      |    |      |    |   |      |    |      |   |  |                     |  |  |  |  |      |       |   |                   |                   |                  |        |           |              |           |   |  |      |                  |  |
| <b>SUBTOTAL (1)</b>   |   |                  |                 |  | (\$)            | 770.00          |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |      |        |              |                   |              |                |          |    |    |   |    |    |                    |   |   |    |   |                    |  |  |  |         |                |                 |                |                 |                 |      |    |      |   |                        |      |    |      |    |                                   |      |     |      |     |                                       |      |    |      |    |   |      |    |      |   |  |                     |  |  |  |  |      |       |   |                   |                   |                  |        |           |              |           |   |  |      |                  |  |
| Total Claims  | Previously Paid**   | Extra Claims     | Fee from below  | Fee Paid   |                 |                 |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |      |        |              |                   |              |                |          |    |    |   |    |    |                    |   |   |    |   |                    |  |  |  |         |                |                 |                |                 |                 |      |    |      |   |                        |      |    |      |    |                                   |      |     |      |     |                                       |      |    |      |    |   |      |    |      |   |  |                     |  |  |  |  |      |       |   |                   |                   |                  |        |           |              |           |   |  |      |                  |  |
| 21  | 20  | 1                | 18              | 18   |                 |                 |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |      |        |              |                   |              |                |          |    |    |   |    |    |                    |   |   |    |   |                    |  |  |  |         |                |                 |                |                 |                 |      |    |      |   |                        |      |    |      |    |                                   |      |     |      |     |                                       |      |    |      |    |   |      |    |      |   |  |                     |  |  |  |  |      |       |   |                   |                   |                  |        |           |              |           |   |  |      |                  |  |
| Independent Claims  | 3   | 0                | 86              | 0  |                 |                 |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |      |        |              |                   |              |                |          |    |    |   |    |    |                    |   |   |    |   |                    |  |  |  |         |                |                 |                |                 |                 |      |    |      |   |                        |      |    |      |    |                                   |      |     |      |     |                                       |      |    |      |    |   |      |    |      |   |  |                     |  |  |  |  |      |       |   |                   |                   |                  |        |           |              |           |   |  |      |                  |  |
| Multiple Dependent  |   |                  |                 | 290 = 0  |                 |                 |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |      |        |              |                   |              |                |          |    |    |   |    |    |                    |   |   |    |   |                    |  |  |  |         |                |                 |                |                 |                 |      |    |      |   |                        |      |    |      |    |                                   |      |     |      |     |                                       |      |    |      |    |   |      |    |      |   |  |                     |  |  |  |  |      |       |   |                   |                   |                  |        |           |              |           |   |  |      |                  |  |
| Large Fee Code  | Entity Fee (\$)   | Small Fee Code   | Entity Fee (\$) | Fee Description  |                 |                 |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |      |        |              |                   |              |                |          |    |    |   |    |    |                    |   |   |    |   |                    |  |  |  |         |                |                 |                |                 |                 |      |    |      |   |                        |      |    |      |    |                                   |      |     |      |     |                                       |      |    |      |    |   |      |    |      |   |  |                     |  |  |  |  |      |       |   |                   |                   |                  |        |           |              |           |   |  |      |                  |  |
| 1202  | 18  | 2202             | 9               | Claims in excess of 20                                   |                 |                 |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |      |        |              |                   |              |                |          |    |    |   |    |    |                    |   |   |    |   |                    |  |  |  |         |                |                 |                |                 |                 |      |    |      |   |                        |      |    |      |    |                                   |      |     |      |     |                                       |      |    |      |    |   |      |    |      |   |  |                     |  |  |  |  |      |       |   |                   |                   |                  |        |           |              |           |   |  |      |                  |  |
| 1201  | 84  | 2201             | 42              | Independent claims in excess of 3                        |                 |                 |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |      |        |              |                   |              |                |          |    |    |   |    |    |                    |   |   |    |   |                    |  |  |  |         |                |                 |                |                 |                 |      |    |      |   |                        |      |    |      |    |                                   |      |     |      |     |                                       |      |    |      |    |   |      |    |      |   |  |                     |  |  |  |  |      |       |   |                   |                   |                  |        |           |              |           |   |  |      |                  |  |
| 1203  | 280   | 2203             | 140             | Multiple dependent claim, if not paid                    |                 |                 |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |      |        |              |                   |              |                |          |    |    |   |    |    |                    |   |   |    |   |                    |  |  |  |         |                |                 |                |                 |                 |      |    |      |   |                        |      |    |      |    |                                   |      |     |      |     |                                       |      |    |      |    |   |      |    |      |   |  |                     |  |  |  |  |      |       |   |                   |                   |                  |        |           |              |           |   |  |      |                  |  |
| 1204  | 84  | 2204             | 42              | * Reissue independent claims over original patent        |                 |                 |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |      |        |              |                   |              |                |          |    |    |   |    |    |                    |   |   |    |   |                    |  |  |  |         |                |                 |                |                 |                 |      |    |      |   |                        |      |    |      |    |                                   |      |     |      |     |                                       |      |    |      |    |   |      |    |      |   |  |                     |  |  |  |  |      |       |   |                   |                   |                  |        |           |              |           |   |  |      |                  |  |
| 1205  | 18  | 2205             | 9               | *Reissue claims in excess of 20 and over original patent |                 |                 |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |      |        |              |                   |              |                |          |    |    |   |    |    |                    |   |   |    |   |                    |  |  |  |         |                |                 |                |                 |                 |      |    |      |   |                        |      |    |      |    |                                   |      |     |      |     |                                       |      |    |      |    |   |      |    |      |   |  |                     |  |  |  |  |      |       |   |                   |                   |                  |        |           |              |           |   |  |      |                  |  |
| <b>SUBTOTAL (2)</b>   |   |                  |                 |  | (\$)            | 18.00           |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |      |        |              |                   |              |                |          |    |    |   |    |    |                    |   |   |    |   |                    |  |  |  |         |                |                 |                |                 |                 |      |    |      |   |                        |      |    |      |    |                                   |      |     |      |     |                                       |      |    |      |    |   |      |    |      |   |  |                     |  |  |  |  |      |       |   |                   |                   |                  |        |           |              |           |   |  |      |                  |  |
| Name (Print/Type)   | Michael P. Noonan   | Registration No. | 42,038          | Telephone  | 512.996.6839    |                 |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |      |        |              |                   |              |                |          |    |    |   |    |    |                    |   |   |    |   |                    |  |  |  |         |                |                 |                |                 |                 |      |    |      |   |                        |      |    |      |    |                                   |      |     |      |     |                                       |      |    |      |    |   |      |    |      |   |  |                     |  |  |  |  |      |       |   |                   |                   |                  |        |           |              |           |   |  |      |                  |  |
| Signature   |  |                  | Date            | October 27, 2003   |                 |                 |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |      |        |              |                   |              |                |          |    |    |   |    |    |                    |   |   |    |   |                    |  |  |  |         |                |                 |                |                 |                 |      |    |      |   |                        |      |    |      |    |                                   |      |     |      |     |                                       |      |    |      |    |   |      |    |      |   |  |                     |  |  |  |  |      |       |   |                   |                   |                  |        |           |              |           |   |  |      |                  |  |

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